# BRUHAT BANGALORE MAHANAGARA PALIKE

## YELAHANKA ZONE

### DIVISION: BYATARAYANAPURA

### SUB DIVISION: VIDYARANYAPURA

*Name of Work: Estimate for Improvements to Roads and Drain at Thindlu, Anjaneyaswamy layout Basavasamithi, Virupakshapura and Surronding Areas in ward no 09 (Vidyaranyapura).*

***Job Code: 009-20-000075***

***P-Code: P-0541***

***Estimated Cost: Rs: 80.00 Lakhs***

## BRUHAT BANGALORE MAHANAGARA PALIKE

**NAME OF WORK:-** Improvements to Roads and Drain at Thindlu, Anjaneyaswamy layout Basavasamithi, Virupakshapura and Surronding Areas in ward no 09 (Vidyaranyapura).

**Estimation Cost.Rs** 8000000.00

| Sl No | Description of work | Unit | Mesurement No. | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 1 | KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 **Page No. 143 / Item No. 19.1, PWD SR 2018-19** | Cum | | | | | | | |
| | **Desilt for Drain** | | | | | | | | |
| | **Virupakshapura** | | | | | | | | |
| | 2nd Cross | | 2 | 115.00 | 0.45 | 0.45 | 46.58 | | |
| | 2nd A Cross | | 2 | 110.00 | 0.45 | 0.45 | 44.55 | | |
| | 3rd Cross | | 2 | 140.00 | 0.45 | 0.45 | 56.70 | | |
| | 3rd A Cross | | 2 | 135.00 | 0.45 | 0.45 | 54.68 | | |
| | 4th Cross | | 2 | 110.00 | 0.45 | 0.45 | 44.55 | | |
| | 4th A Cross | | 2 | 68.00 | 0.45 | 0.45 | 27.54 | | |
| | 5th A Cross | | 2 | 75.00 | 0.45 | 0.45 | 30.38 | | |
| | 6th A Cross | | 2 | 60.00 | 0.45 | 0.45 | 24.30 | | |
| | **Berm Cutting** | | | | | | | | |
| | Virupakshapura | | | | | | | | |
| | 2nd Cross | | 2 | 115.00 | 0.90 | 0.20 | 41.40 | | |
| | 2nd A Cross | | 2 | 110.00 | 0.90 | 0.20 | 39.60 | | |
| | 3rd Cross | | 2 | 140.00 | 0.90 | 0.20 | 50.40 | | |
| | 3rd A Cross | | 2 | 135.00 | 0.90 | 0.20 | 48.60 | | |
| | 4th Cross | | 2 | 110.00 | 0.90 | 0.20 | 39.60 | | |
| | 4th A Cross | | 2 | 68.00 | 0.90 | 0.20 | 24.48 | | |
| | 5th A Cross | | 2 | 75.00 | 0.60 | 0.20 | 18.00 | | |
| | 6th A Cross | | 2 | 60.00 | 0.60 | 0.20 | 14.40 | | |
| | Basic rate | | | | | | | 130.00 | |
| | Area weightage 6% | | | | | | | 7.80 | |
| | 5Km lead & Lift= 57+(2*1.28*5) | | | | | | | 69.80 | |
| | **Total** | | | | | | **605.75** | **207.60** | **125753.00** |
| 2 | Removing and refixing stone slabs of drains and pointing in CM (1:3) **Page No. 27 / Item No. 5.33 PWD SR 2018-19** | Sqm | | | | | | | |
| | Bs Cover Slab | | | | | | | | |
| | Virupakshapura | | | | | | | | |
| | 2nd Cross | | 2 | 95.00 | 1.35 | | 256.50 | | |
| | 2nd A Cross | | 2 | 80.00 | 1.35 | | 216.00 | | |
| | 3rd Cross | | 2 | 65.00 | 1.35 | | 175.50 | | |
| | 3rd A Cross | | 2 | 70.00 | 1.35 | | 189.00 | | |
| | 4th Cross | | 2 | 85.00 | 1.35 | | 229.50 | | |
| | 4th A Cross | | 2 | 55.00 | 1.35 | | 148.50 | | |
| | 5th A Cross | | 2 | 65.00 | 1.35 | | 175.50 | | |
| | 6th A Cross | | 2 | 45.00 | 1.35 | | 121.50 | | |
| | | | | | Sub Total | | 1512.00 | | |
| | Consider 25% Missing or Damaged Slab | | | | | | **378.00** | | |
| | | | | | Total | | 1134.00 | | |
| | | | | | | | | | |
| | Basic rate | | | | | | | 105.00 | |
| | Area weightage 6% | | | | | | | 6.3 | |
| | **Total** | | | | | | **1134.00** | **111.30** | **126214.00** |

| Sl No | Description of work | Unit | Mesurement | | | | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | No. | L | B | D | | | |
| 3 | Providing granite slabs of selected quality roughly dressed h[illegible]nf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete **Page No. 27 / Item No. 5.31.1 PWD SR 2018-19** | Sqm | | | | | | | |
| | | | Qty vide from item No 2 | | | | 378.00 | | |
| | Basic rate | | | | | | | 700.00 | |
| | Area weightage 6% | | | | | | | 42.00 | |
| | **Total** | | | | | | **378.00** | **742.00** | 280476.00 |
| 4 | KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6 with with OPC cement @ 220kgs, with crushed 40mm and down size** graded granite metal coarse aggregates @0.84cum and fine aggregates @ 0.56cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications MORTH Specification No. 2100 **Item No. 27.18 Page No. 222, PWD SR 2018-19** | Cum | | | | | | | |
| | For Flagging Course | | | | | | | | |
| | 2nd Cross | | 2x2 | 115.00 | 0.30 | 0.15 | 20.70 | | |
| | 2nd A Cross | | 2x2 | 110.00 | 0.30 | 0.15 | 19.80 | | |
| | 3rd Cross | | 2x2 | 140.00 | 0.30 | 0.15 | 25.20 | | |
| | 3rd A Cross | | 2x2 | 135.00 | 0.30 | 0.15 | 24.30 | | |
| | 4th Cross | | 2x2 | 110.00 | 0.30 | 0.15 | 19.80 | | |
| | 4th A Cross | | 2x2 | 68.00 | 0.30 | 0.15 | 12.24 | | |
| | 5th A Cross | | 2x2 | 75.00 | 0.30 | 0.15 | 13.50 | | |
| | 6th A Cross | | 2x2 | 60.00 | 0.30 | 0.15 | 10.80 | | |
| | Basic rate | | | | | | | 5115.00 | |
| | Area weightage 6% | | | | | | | 306.9 | |
| | **Total** | | | | | | **146.34** | **5421.90** | **793441.00** |
| 5 | KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 **Page No. 27 / Item No. 5.26.2, PWD SR 2018-19** | Sqm | | | | | | | |
| | For Flagging Course | | | | | | | | |
| | 2nd Cross | | 2x2 | 115.00 | | 0.40 | 184.00 | | |
| | 2nd A Cross | | 2x2 | 110.00 | | 0.40 | 176.00 | | |
| | 3rd Cross | | 2x2 | 140.00 | | 0.40 | 224.00 | | |
| | 3rd A Cross | | 2x2 | 135.00 | | 0.40 | 216.00 | | |
| | 4th Cross | | 2x2 | 110.00 | | 0.40 | 176.00 | | |
| | 4th A Cross | | 2x2 | 68.00 | | 0.40 | 108.80 | | |
| | 5th A Cross | | 2x2 | 75.00 | | 0.40 | 120.00 | | |
| | 6th A Cross | | 2x2 | 60.00 | | 0.40 | 96.00 | | |
| | Basic rate | | | | | | | 924.00 | |
| | Area weightage 6% | | | | | | | 55.44 | |
| | **Total** | | | | | | **1300.80** | **979.44** | **1274056.00** |
| 6 | Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, for coping. Including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page. No. 255 / Item No.34.11 of PWD SR 2018-19** | Cum | | | | | | | |
| | For Flagging Course | | | | | | | | |
| | 2nd Cross | | 2x2 | 115.00 | 0.20 | 0.10 | 9.20 | | |
| | 2nd A Cross | | 2x2 | 110.00 | 0.20 | 0.10 | 8.80 | | |
| | 3rd Cross | | 2x2 | 140.00 | 0.20 | 0.10 | 11.20 | | |

| Sl No | Description of work | Unit | Mesurement | | | | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | No. | L | B | D | | | |
| | 3rd A Cross | | 2x2 | 135.00 | 0.20 | 0.10 | 10.80 | | |
| | 4th Cross | | 2x2 | 110.00 | 0.20 | 0.10 | 8.80 | | |
| | 4th A Cross | | 2x2 | 68.00 | 0.20 | 0.10 | 5.44 | | |
| | 5th A Cross | | 2x2 | 75.00 | 0.20 | 0.10 | 6.00 | | |
| | 6th A Cross | | 2x2 | 60.00 | 0.20 | 0.10 | 4.80 | | |
| | Basic rate | | | | | | | 5283.00 | |
| | Area weightage 6% | | | | | | | 316.98 | |
| | **Total** | | | | | | **65.04** | **5599.98** | **364223.00** |
| 7 | Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,copmplete. (Data Rate) | Sqm | | | | | | | |
| | **Drain cover slab** | | | | | | | | |
| | Virupakshapura | | | | | | | | |
| | 2nd Cross | | 2 | 65.00 | 0.90 | | 117.00 | | |
| | 2nd A Cross | | 2 | 75.00 | 0.90 | | 135.00 | | |
| | 3rd Cross | | 2 | 60.00 | 0.90 | | 108.00 | | |
| | 3rd A Cross | | 2 | 67.00 | 0.90 | | 120.60 | | |
| | 4th Cross | | 2 | 65.00 | 0.90 | | 117.00 | | |
| | 4th A Cross | | 2 | 25.00 | 0.90 | | 45.00 | | |
| | 5th A Cross | | 2 | 45.00 | 0.90 | | 81.00 | | |
| | 6th A Cross | | 2 | 25.00 | 0.90 | | 45.00 | | |
| | **Data rate** | | | | | | | **2337.00** | |
| | **Total** | | | | | | **768.60** | **2337.00** | **1796218.00** |
| 8 | KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 10km lead= **( I No-19.14,P No-143) PWD SR 2018-19** | Cum | | | | | | | |
| | Road | | | | | | | | |
| | Road cutting portion | | | | | | | | |
| | Virupakshapura | | | | | | | | |
| | 2nd Cross | | 1 | 115.00 | 5.00 | 0.20 | 115.00 | | |
| | 2nd A Cross | | 1 | 110.00 | 5.00 | 0.20 | 110.00 | | |
| | 3rd Cross | | 1 | 140.00 | 5.00 | 0.20 | 140.00 | | |
| | 3rd A Cross | | 1 | 135.00 | 5.00 | 0.20 | 135.00 | | |
| | 4th Cross | | 1 | 110.00 | 5.00 | 0.20 | 110.00 | | |
| | 4th A Cross | | 1 | 68.00 | 5.00 | 0.25 | 85.00 | | |
| | 5th A Cross | | 1 | 75.00 | 5.00 | 0.25 | 93.75 | | |
| | 6th A Cross | | 1 | 60.00 | 5.00 | 0.25 | 75.00 | | |
| | | | | | | | **863.75** | | |
| | Consider 25% of Total Qty | | | | | | **215.94** | | |
| | Basic rate | | | | | | | 41.00 | |
| | Area weightage 6% | | | | | | | 2.46 | |
| | 5Km lead=<br>(2*1.28*5) | | | | | | | 12.80 | |
| | Total | | | | | | **215.94** | 56.26 | **12149.00** |

| Sl No | Description of work | Unit | Mesurement | | | | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | No. | L | B | D | | | |
| 9 | KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 **Page No. 155 / Item No. 20.18, PWD SR 2018-19** | Cum | | | | | | | |
| | Road cutting portion | | | | | | | | |
| | Virupakshapura | | | | | | | | |
| | 2nd Cross | | 1 | 115.00 | 5.00 | 0.25 | 143.75 | | |
| | 2nd A Cross | | 1 | 110.00 | 5.00 | 0.25 | 137.50 | | |
| | 3rd Cross | | 1 | 140.00 | 5.00 | 0.25 | 175.00 | | |
| | 3rd A Cross | | 1 | 135.00 | 5.00 | 0.25 | 168.75 | | |
| | 4th Cross | | 1 | 110.00 | 5.00 | 0.25 | 137.50 | | |
| | 4th A Cross | | 1 | 68.00 | 5.00 | 0.25 | 85.00 | | |
| | 5th A Cross | | 1 | 75.00 | 5.00 | 0.25 | 93.75 | | |
| | 6th A Cross | | 1 | 60.00 | 5.00 | 0.25 | 75.00 | | |
| | | | | | | | **1016.25** | | |
| | Consider 25% of Total Qty | | | | | | **254.06** | | |
| | Basic rate | | | | | | | 1888.00 | |
| | Area weightage 6% | | | | | | | 113.28 | |
| | Total | | | | | | **254.06** | 2001.28 | **508450.00** |
| 10 | KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502 **Page No. 158 / Item No. 21.6, PWD SR 2018-19** | Sqm | | | | | | | |
| | Road cutting portion | | | | | | | | |
| | Virupakshapura | | | | | | | | |
| | 2nd Cross | | 1 | 115.00 | 5.00 | | 575.00 | | |
| | 2nd A Cross | | 1 | 110.00 | 5.00 | | 550.00 | | |
| | 3rd Cross | | 1 | 140.00 | 5.00 | | 700.00 | | |
| | 3rd A Cross | | 1 | 135.00 | 5.00 | | 675.00 | | |
| | 4th Cross | | 1 | 110.00 | 5.00 | | 550.00 | | |
| | 4th A Cross | | 1 | 68.00 | 5.00 | | 340.00 | | |
| | 5th A Cross | | 1 | 75.00 | 5.00 | | 375.00 | | |
| | 6th A Cross | | 1 | 60.00 | 5.00 | | 300.00 | | |
| | | | | | | | **4065.00** | | |
| | Consider 25% of Total Qty | | | | | | **1016.25** | | |
| | Basic rate | | | | | | | 28.00 | |
| | Area weightage 6% | | | | | | | 1.68 | |
| | Total | | | | | | **1016.25** | 29.68 | **30162.00** |
| 11 | KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen **(P.No-160,I No-21.17.6) PWD SR 2018-19** | Cum | | | | | | | |

| Sl No | Description of work | Unit | Mesurement | | | | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | No. | L | B | D | | | |
| | Virupakshapura | | | | | | | | |
| | 2nd Cross | | 1 | 115.00 | 5.00 | 0.05 | 28.75 | | |
| | 2nd A Cross | | 1 | 110.00 | 5.00 | 0.05 | 27.50 | | |
| | 3rd Cross | | 1 | 140.00 | 5.00 | 0.05 | 35.00 | | |
| | 3rd A Cross | | 1 | 135.00 | 5.00 | 0.05 | 33.75 | | |
| | 4th Cross | | 1 | 110.00 | 5.00 | 0.05 | 27.50 | | |
| | 4th A Cross | | 1 | 68.00 | 5.00 | 0.05 | 17.00 | | |
| | 5th A Cross | | 1 | 75.00 | 5.00 | 0.05 | 18.75 | | |
| | 6th A Cross | | 1 | 60.00 | 5.00 | 0.05 | 15.00 | | |
| | | | | | | | **203.25** | | |
| | Consider 25% of Total Qty | | | | | | **50.81** | | |
| | | | | | | | | | |
| | Basic rate | | | | | | | 6045.00 | |
| | Area weightage 6% | | | | | | | 362.70 | |
| | Total | | | | | | **50.81** | 6407.70 | **325591.00** |
| 12 | KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH specification clause 501 **Page No. 158 / Item No. 21.2, PWD SR 2018-19** | Sqm | | | | | | | |
| | Virupakshapura | | | | | | | | |
| | 2nd Cross | | 1 | 115.00 | 5.00 | | 575.00 | | |
| | 2nd A Cross | | 1 | 110.00 | 5.00 | | 550.00 | | |
| | 3rd Cross | | 1 | 140.00 | 5.00 | | 700.00 | | |
| | 3rd A Cross | | 1 | 135.00 | 5.00 | | 675.00 | | |
| | 4th Cross | | 1 | 110.00 | 5.00 | | 550.00 | | |
| | 4th A Cross | | 1 | 68.00 | 5.00 | | 340.00 | | |
| | 5th A Cross | | 1 | 75.00 | 5.00 | | 375.00 | | |
| | 6th A Cross | | 1 | 60.00 | 5.00 | | 300.00 | | |
| | Basic rate | | | | | | | 5.00 | |
| | Area weightage 6% | | | | | | | 0.30 | |
| | Total | | | | | | **4065.00** | 5.30 | **21545.00** |
| 13 | KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5 **Page No. 158 / Item No. 21.7 PWD SR 2018-19** | Sqm | | | | | | | |
| | | | Qty Vide Item No. 12 | | | | 4065.00 | | |
| | Basic rate | | | | | | | 12.00 | |
| | Area weightage 6% | | | | | | | 0.72 | |
| | Total | | | | | | **4065.00** | 12.72 | **51707.00** |
| 14 | KSRRB M500-19. Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 507 of MORTH V revision using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 5.4% VG-30 Bitumen **(P.No -162, I No - 21.22.6) PWD SR 2018-19** | Cum | | | | | | | |
| | Virupakshapura | | | | | | | | |

| Sl No | Description of work | Unit | Mesurement | | | | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | No. | L | B | D | | | |
| | 2nd Cross | | 1 | 115.00 | 5.00 | 0.04 | 23.00 | | |
| | 2nd A Cross | | 1 | 110.00 | 5.00 | 0.04 | 22.00 | | |
| | 3rd Cross | | 1 | 140.00 | 5.00 | 0.04 | 28.00 | | |
| | 3rd A Cross | | 1 | 135.00 | 5.00 | 0.04 | 27.00 | | |
| | 4th Cross | | 1 | 110.00 | 5.00 | 0.04 | 22.00 | | |
| | 4th A Cross | | 1 | 68.00 | 5.00 | 0.04 | 13.60 | | |
| | 5th A Cross | | 1 | 75.00 | 5.00 | 0.04 | 15.00 | | |
| | 6th A Cross | | 1 | 60.00 | 5.00 | 0.04 | 12.00 | | |
| | Basic rate | | | | | | | 6939.00 | |
| | Area weightage 6% | | | | | | | 416.34 | |
| | Total | | | | | | **162.60** | 7355.34 | **1195978.00** |
| 15 | KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803(**P.No-182,I No-24.15**) **PWD SR 2018-19** | Sqm | | | | | | | |
| | Virupakshapura | | | | | | | | |
| | 2nd Cross | | 2 | 115.00 | 0.10 | | 23.00 | | |
| | 2nd A Cross | | 2 | 110.00 | 0.10 | | 22.00 | | |
| | 3rd Cross | | 2 | 140.00 | 0.10 | | 28.00 | | |
| | 3rd A Cross | | 2 | 135.00 | 0.10 | | 27.00 | | |
| | 4th Cross | | 2 | 110.00 | 0.10 | | 22.00 | | |
| | 4th A Cross | | 2 | 68.00 | 0.10 | | 13.60 | | |
| | 5th A Cross | | 2 | 75.00 | 0.10 | | 15.00 | | |
| | 6th A Cross | | 2 | 60.00 | 0.10 | | 12.00 | | |
| | Basic rate | | | | | | | 429.00 | |
| | Area weightage 6% | | | | | | | 25.74 | |
| | Total | | | | | | **162.60** | 454.74 | **73941.00** |
| 16 | Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete **Page No. 27 / Item No. 5.30 PWD SR 2018-19** | No | | | | | | | |
| | **Basic rate** | | | | | | | | |
| | **Road cutting portion** | | 2 | 50.00 | | /0.45 | 222.22 | | |
| | Basic rate | | | | | | | 408.00 | |
| | Area weightage 6% | | | | | | | 24.48 | |
| | **Total** | | | | | | **222.22** | **432.48** | **96107.00** |
| 17 | KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 **Item No. 24.1, Page No. 180, PWD SR 2018-19** | Sqm | | | | | | | |
| | **Basic rate** | | | | | | | | |

| Sl No | Description of work | Unit | Mesurement | | | | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | No. | L | B | D | | | |
| | Basava Samithi layout Road cut portion | | | 50.00 | | | 35.00 | | |
| | [redacted]n road to 3rd Cross | | 2 | 314.00 | | 0.35 | 219.80 | | |
| | Basic rate | | | | | | | 80.00 | |
| | Area weightage 6% | | | | | | 35.00 | 4.80 | 2968.00 |
| | Total | | | | | | 219.80 | 84.80 | 18639.00 |
| | | | | | | | | Grand Total | 7078676.00 |
| | | | | | | | | GST Charges (12% of estimated cost) | 849441.00 |
| | | | | | | | | PMC Charges @ 1% | 70787.00 |
| | | | | | | | | Miscellenious and rounding | 1096.00 |
| | | | | | | | | Total Amount | 8000000.00 |
| | RUPEES EIGHTY LAKHS ONLY | | | | | | | | |

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum
4) The estimate is based on C.S.R of 2018-2019,Issue rates and Data Rates.

Assistant Engineer
Ward No. 09

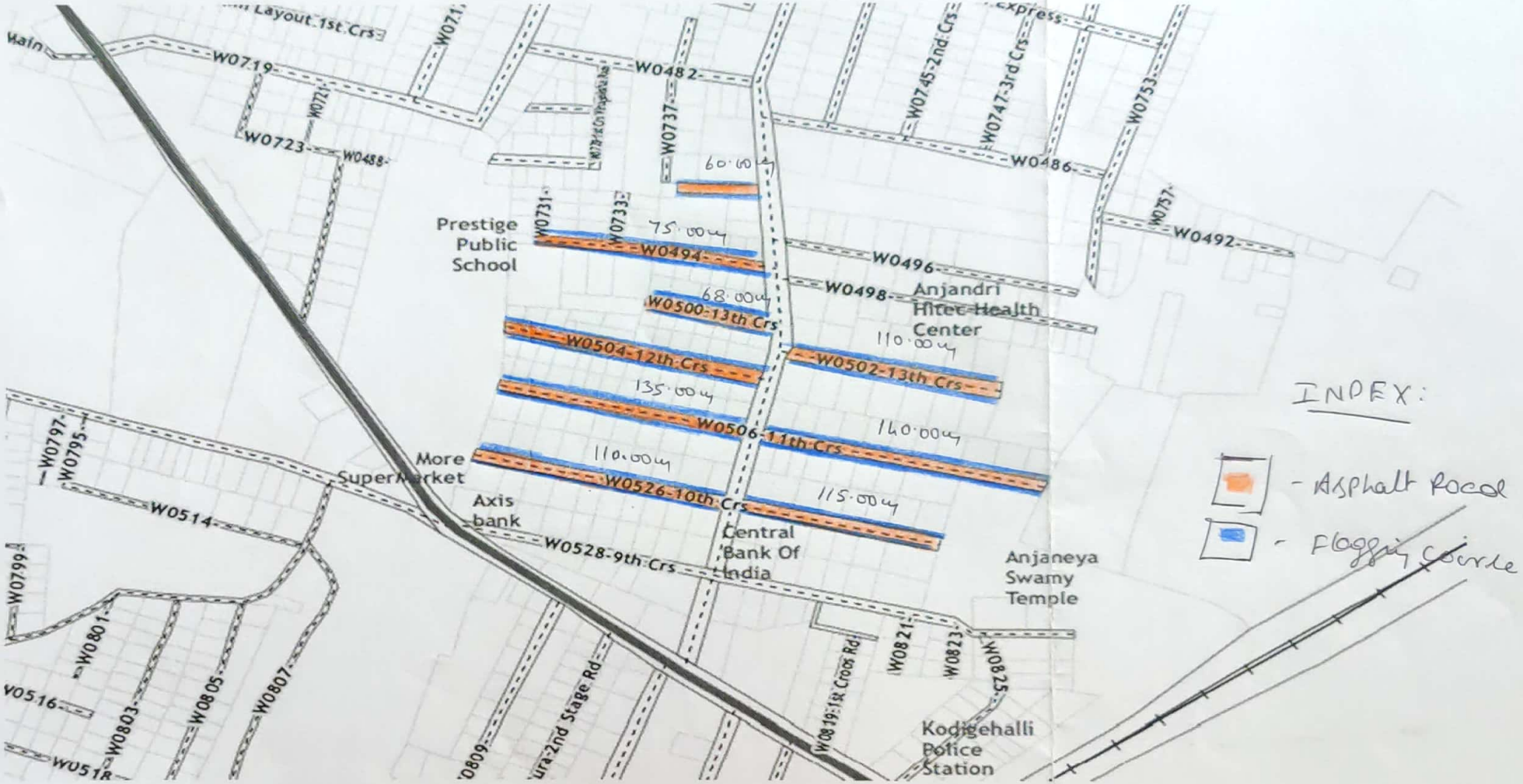
Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

ADMINISTRATIVE APPROVAL
Accorded For Rs. 80.00 Lakhs only
Head of A/c. P0541
Div. Ref. No. 45 Date 8/10/2020
AE 8/10
EE(BTP) 8/10

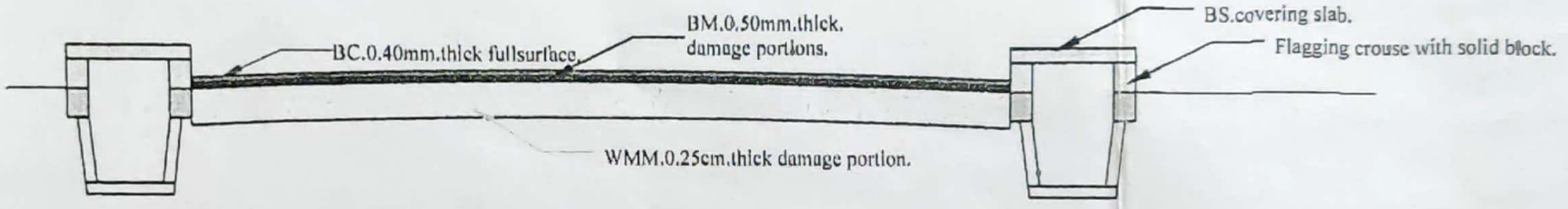
Technical Sanction
Accorded For Rs 80.00 Lakhs
Head of A/C P0541
CER NO : 128 Dt. 09.11.2020
LTA
EE (TNK)

NAME OF WORK:- Improvements to Roads and Drain at Thindlu, Anjaneyaswamy layout Basavasamithi, Virupakshapura and Surrounding Areas in ward no 09 (Vidyaranyapura).




Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Vidyaranyapura Sub Division

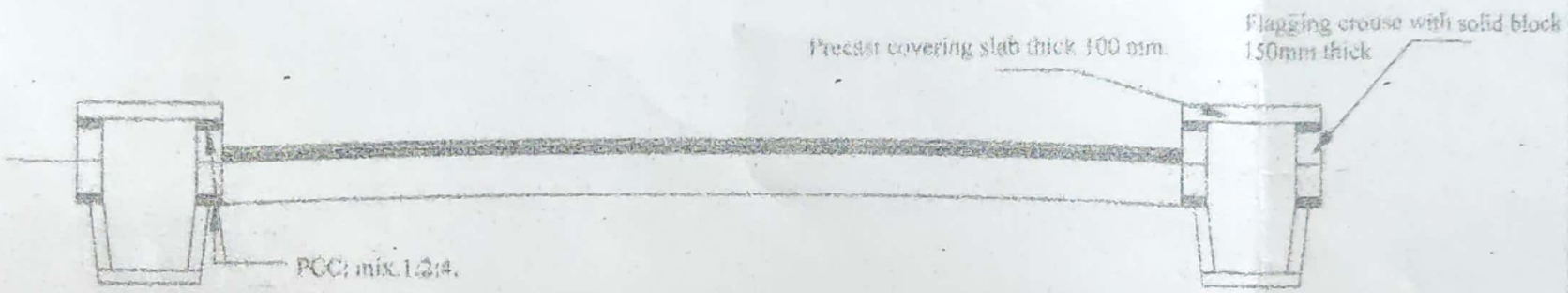



CROSS SECTION OF ASPHALT ROAD.

ASSISTANT ENGINEER.

ASSISTANT EXECUTIVE
ENGINEER.

Scanned with CamScanner




CROSS SECTION OF SOLID BLOCK FLAGGING COURCE OVER B S SLAB DRAIN.

# 152 - BYATARAYANAPURA AC
# WARD NAME : 9 - VIDYARANYAPURA